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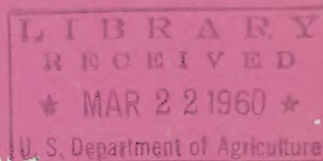
Or

Or  
1960

Wm. Kirch-orchids, ltd.

Honolulu, Hawaii

presents



*Cattleya*

*Cypripedium*

*Oncidium Alliance*

*Selected Orchids*

*to grow  
with Cattleyas*



*Blc. Frank Tatsumura*





## TALK ABOUT TIME!

1959 was a year long to be remembered at Wm. Kirch—Orchids, Ltd. We shipped more orchid plants to more parts of the World than ever before in our entire history. In addition, more of you have written back stating you are now flowering many of the baby seedlings sent you in past years. Naturally, not all of them were winners—but a very good proportion seem to be more than making their mark in Awards, Show Winners, and personal satisfaction to their owners. This of course is to us their parents, so to speak, most gratifying.

1960 arrives with our being able to offer you more and more new interesting plants. As in 1959, we plan to issue five or six separate price lists. This is the first. In it are combined all of the unusual plants we are growing that we feel are compatible to what might be called normal Cattleya conditions. Thus in simple words, if you are growing Cattleyas, you can take any plant from this list and grow it as a companion plant to your Cattleyas with full confidence of its ability to grow and succeed under those conditions.

You will note an expansion of the Oncidium group, and the most interesting inter-generic hybrids in this Alliance. Most of the credit for this work must go to our very great friend and colleague, Mr. W. W. G. (Goodale) Moir. His untiring efforts and great perspective of what can be done with many of these species has now given to the orchid world some of the most charming new hybrids to arrive in the past decade. Truly the world owes this great Floriculturist a note of thanks. It has been our pleasant task to translate his vision into production to allow you to add these plants to your collections.

Many of the new Cattleya-like plants also are most charming. Cattleytonia, Dia-Cattleya—Terete Brassovola—Schombo combi-

nations may all be new words to you. Don't let the botanical jargon scare you. Gems are Gems, regardless of name and in this group are truly many gems. Try some, when you exhibit them you will be more than pleased with their performance.

As per usual, I always like to take this opportunity to state our policies so you know those you are dealing with. We are a marketing corporation—owned and operated by six Hawaiian orchid nurseries. We are not brokers, dealers, or middlemen. Everything we sell we produce in our own nurseries. Above all, we are human and far from infallible. As Humans, we make mistakes and if you will take time when we do, to let us know, we will be the first to correct them. We stand behind everything we sell, 100%. We guarantee safe delivery—but if we have erred, you must let us know. We want to know, as you, our customers are the foundation of our business. Your satisfaction controls our growth.

All of our growers, our staff and myself, would like to wish each and everyone of you a Happy and Prosperous 1960! It is indeed a happy thought to find all of the world nearer peace and understanding than has been true in many years. We sincerely hope this course pursues and that as a result all of us become greater friends. We shall strive to see that the orchids we produce will be good ambassadors from Hawaii to the World.

Aloha,

WM. KIRCH



# CATTLEYA AND ALLIED GENERA



*Blc. Wake Island var. The Queen*

Many new advancements have been made in the breeding of this large section of orchids. Particularly is this true of the new small types such as Dia-Cattleya, Epi-Cattleya, Cattleytonia, etc. We are this year placing all of these plants in one large group with subdivisions for each section. Culture is the same for all groups.

## CULTURE:

These are among the easiest of all orchid plants for the amateur to grow. If you are just starting, Cattleyas will give you what you want. They can be quite successfully grown in many locations without a glass house.

They should be grown in a temperature range of not less than 55° F., at night with a daily range not to exceed 30° F., above the current night temperature. Thus, if your night temperature was maintained at 55° F., the maximum rise during the following day should not exceed 85° F.

Potting can be done in Osmunda Fibre, Ha-

waiian Tree-Fern, or any of the new Bark composts. We highly recommend the latter, due to ease of use and handling thereafter.

Cattleyas should be watered as often as they get dry. Location, type of potting media, season, state of growth of the plant, and light, all play an important part in the speed with which a plant will dry out. There is no hard or fast rule—Observe your plant and when it is dry, give it a good soaking. Then do not water again until dry.

Cattleyas will benefit by the use of fertilizers. Again, several factors are important as to the use of fertilizer. Light, rate of growth of the plant, season all are important. Remember, plants are like humans; when active they eat more, when dormant less. Use your good common sense as a guide. Any complete liquid fertilizer recommended for orchids is suitable.

If you have a specific problem, write to us. We will be happy to try and solve it for you.

## LARGE FLOWERED CATTLEYA TYPE HYBRIDS

This group is the large flower that is so highly prized for display and cut flower purposes. In it you will find combinations involving the genera: Cattleya, Laelia, Brassovola, and Sophronitis. The crosses we offer are bred to give the maximum in quality.

- OC-1—Lc. Emma Matsuguma x Bc. Estelle—Medium to dark lavender, Fall. 4"
- OC-2—Lc. Helen Mizuta x Bc. John Linford-Lc. Ishtar—Lavender—very fine shape, Fall. 4", 6"
- OC-3—Lc. Bodian x Lc. Dorothy Kodama—Medium lavender, Fall-Winter. 4"
- OC-4—Lc. Ludgate x Lc. Balkis var. Superba—Light to medium lavender, Fall. 5"
- OC-5—C. Edward Mathews x Lc. Tuscan—Medium lavender, Fall. 6"
- OC-6—Lc. Dorothy Kodama x Lc. Lustre var. Westonbirt—Medium lavender, Fall. 6"
- OC-7—Lc. Balkis var. Superba x Estelle—Medium to dark lavender, Fall. 3", 4"
- OC-8—C. Josephine x Blc. Nanette Alba—White to pink, Spring. 4"
- OC-9—Lc. Britannia x Lc. Dorothy Kodama—Medium lavender, Winter. 4"
- OC-10—Lc. Viscountess var. Beauty x Lc. Hyperion—Medium lavender, Fall to Winter. 3"
- OC-11—Blc. Princess Patricia F.C.C.R.H.S. x Bc. Estelle—Light to medium lavender, Fall and Winter. 1 1/2"
- OC-12—Lc. Bou Phillippe x Lc. Hertha var. Perfection—Medium lavender, Winter to Spring. 3", 4"
- OC-13—Blc. Wake Island var. The Queen x Lc. Hertha var. Perfection—Medium lavender, Winter to Spring. 4"
- OC-14—C. Bow Bells-Edithiae x C. Bob Betts A.M.H.O.S.—Fine white, Winter. 2 1/2"
- OC-15—Blc. Paul Nomura x Blc. Mem. Thelma Yee—Lavender, Fall to Winter. 2", 3"
- OC-16—Blc. Charles Tanaka x Lc. Hyperion—Lavender, Winter to Spring. 2", 3"
- OC-17—C. Trianae var. Premier F.C.C.R.H.S. x C. Jean Barrow var. Kodama—Pink, Winter-Spring. 3"
- OC-18—Lc. Bodian x C. Jean Barrow var. Kodama—Pink, Winter-Spring. 2"
- OC-19—C. Mossiae-Princess Royal x C. Enid Alba—White/purple lip, Spring. 1 1/2", 2"
- OC-20—C. Alesia x C. Enid Alba—White/purple lip, Spring. 1 1/2", 2"
- OC-21—Blc. Llewellyn x C. Jicarillo—Dark red, Fall. 1 1/2", 2"
- OC-22—C. Claire Nishimura var. Splendor x Lc. Emma Matsuguma—Lavender, Fall-Winter. 2"
- OC-23—C. Loranore-Mossiae x Lc. Cantabile var. Doris Bush—White/purple lip, Spring. 1 1/2", 2"
- OC-24—L. Purpurata var. Carneae x Self—White/red lip, Spring. 5"
- OC-25—L. Purpurata var. Alba Plena—Pure white, Spring. 5"
- OC-26—Lc. Joseph Hampton F.C.C.A.O.S. x Lc. Wildine—Lavender, Fall. 3", 4"
- OC-27—Blc. Nanette Alba x Lc. Fedora var. Everest—White/purple lip, Spring. 3", 4"





*Bc. Princess Patricia F.C.C.R.H.S.*

- OC-28—Blc. Dorothy Heller x Lc. Venetia—Bronze lavender, Fall. 3", 4"  
 OC-29—Lc. Terry Wayne x Bc. Ann Sladden—White/purple lip, Winter-Spring. 3"  
 OC-30—C. Dinahbo x Lc. Cabazon—Lavender, Fall-Winter. 3", 4"  
 OC-31—Lc. Canhamiana Alba x C. Bow Bells—Fine pink, Winter-Spring. 4"  
 OC-32—C. Hardyana Alba x Self—White/purple lip, Late Spring. 3"  
 OC-33—Blc. Nanette Alba x Lc. Chito—White/purple lip, Spring. 3", 4"  
 OC-34—C. Dinahbo x Lc. Venetia—Lavender, Fall. 2", 3"  
 OC-35—L. Tenebrosa x Slc. Gary Copeman—Bronze, Fall. 1 1/2", 2"  
 OC-36—C. Joyce Hannington (Barbara Dane x Snowdon)—Fine white, Spring. 2"  
 OC-37—Lc. Terry Wayne x Lc. Fedora var. Everest—White/colored lip, Fall-Winter. 2", 3", 4"  
 OC-38—Lc. Edgar Van Belle x Blc. Llewellyn Tetraploid—Yellow/red lip, Fall-Winter. 1 1/2"  
 OC-39—Lc. Venetia x Slc. Gary Copeman—Bronze lavender, Fall. 1 1/2", 2"  
 OC-40—Lc. Canberra var. Stonehurst x Blc. Wendell Hoshino—Red to bronze, Fall. 1 1/2", 3"  
 OC-41—Lc. Goriette var. Superba F.C.C.R.H.S. x Blc. Wendell Hoshino—Lavender, Fall-Winter. 1 1/2"  
 OC-42—C. Gen. Patton var. Perfection x C. Suzanne Hye var. June Bride—White, Summer. 1 1/2", 3"

- OC-43—Blc. Frank Tatsumura x Lc. Mysedo var. Miya—Red to Bronze. 1 1/2"  
 OC-44—C. Empress Bells A.M.H.O.S. x Gen. Patton var. Perfection—White, Spring. 1 1/2", 3"  
 OC-45—C. Empress Bells A.M.H.O.S. x C. Suzanne Hye var. June Bride—White, Summer. 1 1/2", 3"  
 OC-46—C. Empress Bells A.M.H.O.S. x Self—White, Spring. 1 1/2", 3"  
 OC-47—C. Empress Bells A.M.H.O.S. x Bob Betts—White, Winter-Spring. 1 1/2"  
 OC-48—C. Gen. Patton var. Perfection x Self—White, Winter-Spring. 1 1/2", 3"  
 OC-49—C. Gen. Patton var. Perfection x Bob Betts—White, Winter-Spring. 1 1/2"  
 OC-50—C. Bow Bells-Swan x C. Bow Bells Honolulu x Self—White, Winter-Spring. 1 1/2"  
 OC-51—C. Bob Betts x C. Suzanne Hye var. June Bride—White, Summer. 1 1/2"  
 OC-52—C. Enid Alba (Mossiae x Gigas)—White/purple lip, Spring. 4", 5"  
 OC-53—C. Ashland x Lc. Mysedo var. Miya—Red to bronze, Fall. 4", 5"  
 OC-54—Blc. J. K. Lilly-Lc. Sam Houston x Lc. Mysedo var. Miya—Red to dark lavender, Fall. 1 1/2"  
 OC-55—Blc. Matriarch x Lc. Superbia—Dark lavender, Winter. 1 1/2"  
 OC-56—C. Cybele-Snowdon x C. Euchonia—Pure white—small, Winter. 1 1/2"  
 OC-57—Lc. Souladzu x Lc. Mysedo var. Miya—Red, Fall. 3"  
 OC-58—Blc. Nanette Alba x C. Bob Betts var. Moanalua A.M.H.O.S.—Pink, Spring. 3"  
 OC-59—Lc. McNeil Beauty x Lc. Fedora var. Everest—White/purple lip, Fall. 4"  
 OC-60—Lc. Walter Jewell-St. Gothard x Bc. Hartland—Dark lavender, Fall-Winter. 4"  
 OC-61—C. Esbetts (C. Estelle x Bob Betts)—White, Winter. 2"  
 OC-62—C. Bob Betts x White Sail—White, Winter-Spring. 2"  
 OC-63—Lc. Balkis var. Superba x Lc. Walter Jewell-St. Gothard—Dark lavender, Fall-Winter. 2"  
 OC-64—Blc. Wake Island The Queen x Slc. Lindores—Dark lavender, Winter. 2"  
 OC-65—C. Euchonia x Bob Betts—Medium-white, Spring. 1 1/2"  
 OC-66—Lc. Edgar Omura x Blc. Hanako Miyamoto—Yellow/red lip, Summer-Fall. 1 1/2"  
 OC-67—Blc. Jane Russell (Lc. Balkis var. Superba x Bc. Hartland)—Fine lavender, Fall-Winter. 4"  
 OC-68—C. Thebes Bronze King x Blc. Queen Aprica var. Golden Radiance—Yellow to Orange, Summer-Fall. 1 1/2"  
 OC-69—C. Thebes Bronze King x Lc. Edgar Omura—Yellow to Bronze, Summer-Fall. 1 1/2"  
 OC-70—C. Thebes var. Majestic x Lc. Hasallii Alba—Yellow to Chartreuse, Spring-Summer. 1 1/2"  
 OC-71—Lc. Windemere var. Clovellys A.M.R.H.S. x Blc. Patrick Mizuta—Fine lavender, Fall-Winter. 1 1/2"  
 OC-72—Lc. Canberra Stonehurst x Lc. Winema-C. Benevolence—Clear yellow/red lip, Summer-Fall. 1 1/2"  
 OC-73—C. Euchonia x C. Bow Bells—Medium-White, Winter. 1 1/2"  
 OC-74—Lc. Lorraine Shirai x Lc. Golden Queen var. Regina A.M.H.O.S.—Fine yellow, Summer-Fall. 1 1/2"  
 OC-75—Lc. Sargon Holfords var. x Blc. Wake Island var. The Queen—Lavender, Fall. 1 1/2"  
 OC-76—Blc. Kanoa x Lc. Sargon var. Magnifica—Lavender, Winter. 2"

- OC-77—Blc. Dorothy Heller x Lc. Sargon var. Magnifica—Bronze lavender, Fall-Winter. 1 1/2", 2"  
 OC-78—C. Empress Bells x Bob Betts A.M.H.O.S.—White, Winter. 3"  
 OC-79—Lc. Landscape x Blc. J. K. Lilly—Bronze lavender, Fall. 3"  
 OC-80—Slc. Firefly x Bc. Mrs. Leeman—Red to yellow, Fall. 1 1/2"  
 OC-81—Lc. Eugene Casey x Lc. Edgar Van Belle—Yellow/red lip. 1 1/2"  
 OC-82—Slc. Rainbow Hill x C. Fabia—Dark red. 1 1/2"

## SMALL FLOWERED CLUSTER TYPE CATTLEYA

- Cattleyas of this section have become more and more popular. The flowers are medium in size and usually come in very large heads. Some wonderful color combinations.
- OC-83—C. Confetti (Trianae x Aurantiaca)—Salmon to bronze, Winter. 1 1/2", 2"  
 OC-84—Bc. Daffodil x Lc. Fulva var. Golden Wings—Yellow to orange, Fall-Winter. 1 1/2", 2"  
 OC-85—C. Rembrandt x Blc. Kanoa—Lavender, Fall. 1 1/2", 2"  
 OC-86—C. Dowiana x Prince Edward—Bronze, Summer to Fall. 1 1/2"  
 OC-87—C. Guatemalensis var. Butter x C. Skinneri Alba—Clear yellow, Spring. 1 1/2", 2", 3"  
 OC-88—Lc. Isotta x Lc. Hawaiian Sunset—Bronze to orange, Fall. 1 1/2", 2", 3"  
 OC-89—C. Priscilla Ward x Blc. Copetua—Dark green, Fall-Winter. 1 1/2", 2", 3"  
 OC-90—Lc. Isotta x Slc. Radians—Bronze to red, Fall. 1 1/2"  
 OC-91—Lc. Grandee var. Jules Furthman x C. Guttata var. Leopoldi—Bronze-yellow, Fall. 1 1/2", 2"  
 OC-92—C. Priscilla Ward x Intermedia Alba—Clear green, Spring. 1 1/2"  
 OC-93—B. Glauca x L. Firefly—Bright orange, Fall-Winter. 1 1/2", 2"  
 OC-94—C. Priscilla Ward (Granulosa x Forbesii)—Nice green, Spring-Summer. 1 1/2", 2", 3"  
 OC-95—C. Betty Betz x C. Dolosa—Pink—Fine shape, Spring. 1 1/2"  
 OC-96—Lc. Petite x Peggy Moir—Yellow/red lip, Fall. 1 1/2", 2"  
 OC-97—Lc. Wriget x C. Iris var. Walt—Bronze, Fall. 1 1/2", 2"  
 OC-98—Lc. Isotta x Lc. Sunburst—Bronze to yellow, Fall. 1 1/2", 2"  
 OC-99—Lc. Portia-Priam x Lc. Wriget—Dark lavender, Fall. 1 1/2", 2"  
 OC-100—C. Intermedia Alba x Self—Pure white, Spring. 1 1/2"  
 OC-101—C. Gen. Patton x Lc. Kahili Kea—White, long stem, Winter. 2"  
 OC-102—C. Forbesii x Nugget—Yellow to bronze, Summer-Fall. 5"  
 OC-103—C. Guatemalensis var. Butter x L. Harpophylla—Dark yellow to orange, Spring. 1 1/2", 2"  
 OC-104—Lc. Excelsis x Granulosa var. Schofieldiana—Lavender bronze, Fall. 1 1/2", 2"  
 OC-105—C. Guatemalensis var. Butter x Slc. Firefly—Dark red, Spring-Summer. 1 1/2", 2"  
 OC-106—C. Puallilii x Lc. S. J. Bracey—Bronze to yellow, Summer. 1 1/2", 2", 3"  
 OC-107—C. Nigretta-Lodgesii x C. Superba—Very dark lavender, Fall. 1 1/2", 2", 3"  
 OC-108—C. Rembrandt x Lc. Balkis var. Superba—Dark lavender, Fall. 1 1/2", 2", 3"



- OC-109—Lc. Pensberrae x C. Superba—Red to bronze, Fall. 1½", 2"
- OC-110—Lc. Isotta x C. Guttata var. Leopoldi—Bronze lavender, Fall. 1½"
- OC-111—C. Enid Alba x L. Anceps var. Veitchiana—White/blue lip, Spring. 1½"
- OC-112—C. Cybele-Snowdon x L. Anceps var. Bulls—Pure white, Winter. 1½"
- OC-113—C. Rembrandt x Lc. Helen Wilmer—Medium lavender, Fall-Winter. 2"
- OC-114—C. Forbesii x L. Flava—Clear yellow, Spring-Summer. 1½"
- OC-115—Slc. Rainbow Hill x L. Flava—Red to yellow, Fall. 1½"
- OC-116—C. Euchonia x L. Anceps Alba Bulls var.—Pure white, Winter. 1½"
- OC-117—L. Flava x C. Green Gold—Clear yellow, Fall. 1½"
- OC-118—C. R. Prowe x L. Autumnalis Alba—Pale pink, Winter. 2", 3"



Lc. Terry Wayne

### EPI-CATTLEYA TYPE CROSSES

- This group of Cattleya-like Hybrids has grown tremendously in popularity in the past two or three years. When we introduced Epi. Cattleya Ecstasy and Epi. Cattleya Gaiety, they were immediate hits. We have therefore expanded our breeding in this group and are very pleased to offer this outstanding collection of crosses. Culture as for any Cattleya.
- OC-119—C. Priscilla Ward x E. Aromaticum—Green to cream, Spring. 1½", 2"
- OC-120—E. Fragrans x C. Guatemalensis—Plum color, Spring. 1½", 2", 3"
- OC-121—E. Bifidum x Sc. Poni—Bronze lavender, Fall. 1½", 2"
- OC-122—E. Prismatocarpum x S. Lyonsii—Cream-spotted, Fall. 1½", 2"
- OC-123—E. Vitelinum majus x D. Bicornutum—White to orange, Fall. 1½", 2"
- OC-124—E. Bifidum x C. Bowringiana—Bronze lavender, Fall. 1½", 2", 3"

- OC-125—Epi. Cattleya Ecstasy (E. Atropurpureum x C. R. Prowe)—Rich lavender, Spring. 1½"
- OC-126—E. Bifidum x C. Superba—Very dark lavender, Fall. 1½", 2", 3"
- OC-127—E. Nemorale x C. Superba—Dark pink, Fall. 1½"
- OC-128—C. Guttata Leopoldi x E. Nemorale—Bronze lavender, Fall. 1½"
- OC-129—S. Lyonsii Alba x E. Bifidum—Cream-spotted lavender, Spring. 1½"
- OC-130—C. Pualilii x E. Dichromum—Bronze to pink, Summer. 1½", 2", 3"
- OC-131—C. Batalinii x Epi. Nemorale—Bronze pink. 1½"

### BULBOUS EPIDENDRUM HYBRIDS

These are most popular pot plants. Wonderful for display purposes with fine, large sprays of flowers. Culture as for Cattleyas.

- OC-132—E. Brownie x Olorosum—Bronze, Spring. 1½", 2"
- OC-133—E. Inophlebium x Atropurpureum—Pale pink, Spring. 1½", 2"
- OC-134—E. Selligerum x Brownie var. Yellow—Bronze purple, Spring-Summer. 1½", 2"

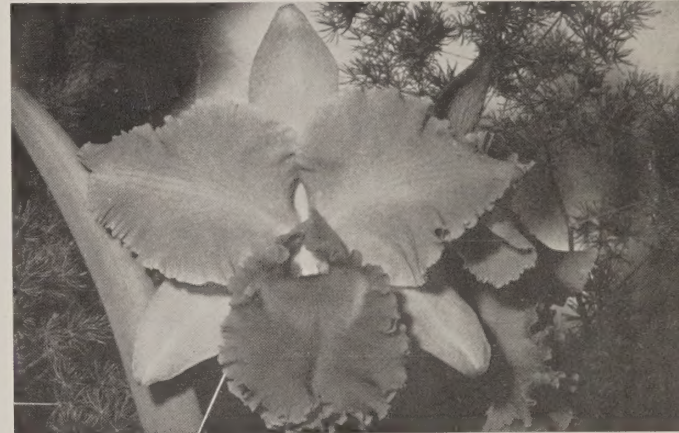


Blc. J. K. Lilly x Lc. Sam Houston

- OC-135—E. Brownie x Nemorale—Bronze lavender, Spring. 1½", 2"
- OC-136—E. Olorosum x Selligerum—Lavender, Summer-Fall. 1½", 2"
- OC-137—E. Atropurpureum x Nemorale—Very dark pink, Spring. 1½", 2"
- OC-138—E. Nemorale x Inophlebium—Baby pink, Spring. 1½"
- OC-139—E. Brownie x Atropurpureum—Dark lavender, Spring. 1½", 2"
- OC-140—E. Xiphioides x Tampense—Cream, huge spikes, Summer. 1½", 2"
- OC-141—E. Atropurpureum (Species)—Fine lavender, Spring. 5"
- OC-142—E. Selligerum (Species)—Lavender, Summer-Fall. 4"
- OC-143—E. Cocheleatum x Brownie—Green with purple, Winter. 3", 4"
- OC-144—E. Brownie x Plicatum—Lavender bronze, Spring. 2", 3"

### REED STEM EPIDENDRUM CROSSES

- OC-145—E. Wallisii x Pseudoepidendrum—Green/orange lip, Various. 1½", 2", 3"
- OC-146—E. Wallisii x Schumanianum—Orange and blue/blue lip, Winter. 2"
- OC-147—E. Difforme x Raniferum—Green/red spots, Various. 4"
- OC-148—Slc. Firefly x Pseudoepidendrum—Red to orange, Various. 1½", 2"
- OC-149—C. Pualilii x E. Pflavii—Pink, Various. 1½"
- OC-150—E. Pflavii x Pseudoepidendrum—Dark pink. 2", 3"
- OC-151—Orange Glow—Salmon orange. 4", Keikis
- OC-152—Saffron Glow—Yellow orange. 4", Keikis
- OC-153—Rose Glow—Fuchsia pink to old rose. 4"
- OC-154—Pavoa Rainbow—Old rose. 4", Keikis
- OC-155—Kokee—White. 4", Keikis
- OC-156—Kahili x Orange Glow—Dark orange. 4", Keikis
- OC-157—Rainbow Hybrids—Red, Geranium Red, Yellow, Lavender, Light Lavender, Pink, Rose, Dusty Rose, Peach, Fuschia, Orange and Buff. Unpotted Aerial Plantlets Each, Per Dozen



Blc. Jane Russell

### DIACRIUM CROSSES

This, like the Epi-Cattleyas is a new group that is enjoying a very high popularity. Our Dia-Cattleya Chastity has been greatly admired by all that have seen it. Without any doubt these will be grown more and more in the amateur collections. Culture as for Cattleya.

- OC-158—C. Amethysloglossa x D. Bicornutum—Pink, Spring. 1½"
- OC-159—Dc. Chastity (C. Granulosa x Bicornutum)—Green-pink or white, Various. 1½", 2", 3"
- OC-160—Lc. Issy x D. Bicornutum—Pink to lavender, Fall. 1½", 2"
- OC-161—L. Firefly x D. Bilamellatum—Red to orange, Spring. 1½", 2"
- OC-162—Schom. Luddemaniana x D. Bicornutum—Bronze, Summer. 3", 4"
- OC-163—S. Luddemaniana x D. Bilamellatum—Bronze, Fall. 1½", 2"
- OC-164—Lc. Issy x D. Bilamellatum—Purple, Fall. 1½", 2"



- OC-165—*Dekensera Panama* x *D. Bilamellatum*—Purple, Spring. 1½", 2"  
 OC-166—*Schom. Humboldtii* x *D. Bicornutum*—White to flush, Spring. 1½", 2"  
 OC-167—*Lc. Pixie* x *D. Bicornutum*—Yellow to cream, Spring. 3"  
 OC-168—*L. Purpurata Alba* x *D. Bicornutum*—White/purple lip, Spring. 4"  
 OC-169—*D. Bicornutum (Species)*—Pure white, Spring. 4"

### SCHOMBURGHKIA HYBRIDS

These are tall growing plants with long spikes of beautiful flowers. They need a large glass house or outdoor culture. They are tolerant of cool conditions and will grow outside anywhere you can grow *Cymbidiums*.

- OC-170—*Sc. Harry Dunn* x *L. Autumnalis*—Very dark lavender, Winter. 2", 3", 4"  
 OC-171—*S. Lyonsii dark* x *L. Autumnalis*—Dark red lavender, Fall. 2", 3"  
 OC-172—*C. Guttata-Lc. Calizona* x *S. Lyonsii Alba*—Dark yellow to Bronze, Summer. 1½"  
 OC-173—*C. R. Prowe* x *S. Lyonsii Alba*—White, Spring. 1½", 2", 3"  
 OC-174—*S. Humboldtii* x *C. Skinneri Alba*—Pale Pink, Spring. 1½", 2"  
 OC-175—*S. Crispa* x *Epi. Atropurpureum*—Dwarf plant, Ruby Red, Spring. 2", 3"  
 OC-176—*S. Crispa* x *L. Purpurata Alba*—White/purple lip, Spring. 2"  
 OC-177—*Sc. Harry Dunn (C. R. Prowe x Luddemania)*—Bronze to Lavender, Fall. 1½", 2", 6"  
 OC-178—*S. Lyonsii* x *C. Guttata*—Cream-dark spotted, Fall. 1½"  
 OC-179—*Sc. Harry Dunn* x *C. Bowringiana*—Dark lavender, Fall-Winter. 1½", 2"  
 OC-180—*S. Lyonsii Alba* x *Bc. Mrs. Leeman*—Cream to pale yellow, Spring. 3"  
 OC-181—*Sbc. Panama* x *Lc. Kahili Kea*—Pink, long spikes, Winter. 2", 3"  
 OC-182—*S. Crispa* x *L. Rubescens*—Red lavender, Spring. 3", 4"  
 OC-183—*Lc. Issy* x *S. Thompsonii*—Dark bronze lavender, Fall. 3", 4"  
 OC-184—*C. R. Prowe* x *S. Thompsonii*—Flush pink, Spring. 3", 4"  
 OC-185—*Epi. Biffidum* x *Sc. Poni*—Bronze lavender, Spring. 1½"  
 OC-186—*S. Lyonsii* x *Epi. Biffidum*—Bronze-spotted, Spring. 1½"  
 OC-187—*Lc. Golden Gate* x *S. Kalihi*—Bronze dark, Summer-Fall. 1½"

### BROUGHTONIA HYBRIDS

Using the species *Sanguinea* in various combinations these hybrids show great promise. Our little *Cattleya* Rosy Jewell being among the loveliest miniature *Cattleya* types ever seen.

- OC-188—*Cat. Rosy Jewell (B. Sanguinea x C. Bowringiana)*—Salmon to Rosy Red, Fall. 1½"  
 OC-189—*Diabroughtonia Alice Hart (B. Sanguinea x D. Bicornutum)*—Deep rose pink, Winter. 1½", 2"  
 OC-190—*Epi. Biffidum* x *B. Sanguinea*—Dark red bronze, Winter-Spring. 3"  
 OC-191—*B. Sanguinea* x *L. Autumnalis*—Dark red, Fall. 1½", 2", 3"  
 OC-192—*B. Sanguinea* x *L. Domingensis Alba*—Pink, Fall. 1½"



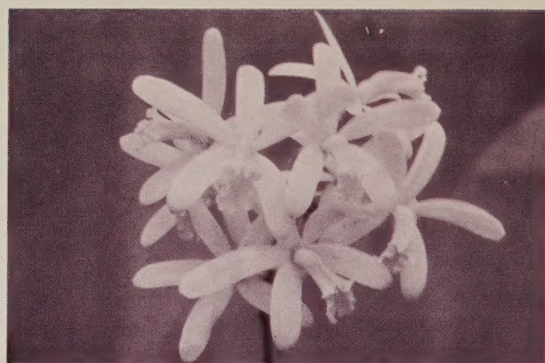
*C. Bow Bells var. Honolulu x Self*

### TERETE BRASSOVOLA CROSSES

This is without any question of a doubt one of the finest new group of novelty hybrids for exhibition purposes developed in the past few years. Dwarf plants—most free flowering—very easy culture. By all means try these. Culture as for *Cattleya*.

- OC-193—*B. Cordata* x *C. Bowringiana*—Dark pink, Winter. 1½", 2"  
 OC-194—*B. Amazonica* x *Epi. Claviatum*—White/yellow lip, Summer. 1½"  
 OC-195—*L. Xanthina-Lc. Interbrosa* x *B. Amazonica*—Yellow/purple lip, Spring. 1½", 2"  
 OC-196—*Bc. Gold Strike (B. Cordata x C. Aureole-Lc. R. H. Jewell)*—Beautiful clear yellow, Fall-Winter. 1½", 2"

*C. Doloso*



*Laelia Flava*

- OC-197—*Bc. Nani Pua Kea (B. Nodosa x C. Hardyana Alba)*—Large, pure white, Fall-Winter. 4"  
 OC-198—*S. Cernua-B. Nodosa x C. Aurantiaca*—Dark Orange, small flower dwarf plant. 1½"  
 OC-199—*B. Acaulis (Species)*—Long star like flowers, white, Spring. logs  
 OC-200—*B. Cordata (Species)*—Green, white, Fall. logs  
 OC-201—*B. Nodosa (Species)*—White green lip, Winter, logs  
 OC-202—*B. Cuculata (Species)*—White and purple, Spring. logs  
 OC-203—*E. Fragrans* x *B. Cordata*—White flushed purple, Fall. 4"

*C. Guttata*





# CYPRIPEDIUM

Our collection of these plants is unique in that every plant has been selected to be tolerant and to flower under warm conditions. Thus, Hawaiian grown Wm. Kirch—Orchids, Cyps are ideal for many regions that up to now have been listed as poor regions to try and grow Cyps. We make particular reference to Malaya, Central America, The Caribbean, Thailand, Southern United States, etc. We feel sure you will enjoy growing them.

## CULTURE:

50% shade, keep moist at all times. Pot in a rich organic compost. Fertilize frequently.

- OC-204—Athal House (Carola x Louvain)—Large, spotted. 5"  
 OC-205—Hestia var. Gigantea (Cyclops x Lady Dillon)—Spotted. 5"  
 OC-206—Nena var. Giganteum (Christopher x Senator)—Yellow, spotted. 5"  
 OC-207—Lucarola (Carola x Lucernala)—Spotted. 5"  
 OC-208—Noblesse (Cardinal Mercer x Nesta II)—Red. 4"  
 OC-209—Alma Gavert (Lawrencianum x Maudiee)—Very fine green and white. 5"  
 OC-210—Houdon (Carpeaux x Mastiff)—Green and brown. 5"  
 OC-211—Magnolia (Cardinal Mercer x Niobe)—Green-brown. 5"  
 OC-212—Warrior Green's var. (Alcibiades x Lord Wolmer)—Green, spotted. 5"  
 OC-213—Alcibiades var. Magnificum (Leeanum x Mons de Curte)—White & Brown. 5"  
 OC-214—Sir Redvers Buller (Insigne x Smithii)—Purple Red. 4"  
 OC-215—The Major Bectons var. (Gaston Butel x Harrisoniana)—Mahogany red. 5"  
 OC-216—Mauretania (Alcibiades x F. M. Ogilvie)—Spotted. 5"  
 OC-217—Estrella (Christopher x Grace Darling)—Yellow, green. 5"

*Schombo-Cattleya Harry Dunn*



- OC-218—Dillys var. Extra (Adorn x Etta)—Spotted. 5"  
 OC-219—Amberly Gem (Earl of Tankerville x Formidable)—Spotted dwarf. 5"  
 OC-220—Ansun (Anita x Sunbeam)—Yellow, fine shape. 5"  
 OC-221—Wellesley x Woodnote—Deep green. 5"  
 OC-222—Leeanum var. Hawaii (Insigne x Spicerianum)—Green and Brown. 4", 5"  
 OC-223—Leeanum var. Clinkkaberrianum—Fine shape. 5"  
 OC-224—Cappamagna vavr. Christmas Cheer F.C.C.R.H.S. (Cardinal Mercer x Nubia)—Red. 5"  
 OC-225—Cappamagna var. Fred Sanders F.C.C.R.H.S.—Red. 5"

- OC-226—Ingress (Atlantis x Leemanii Ducis)—Red. 5"  
 OC-227—Sunset var. Manchurian (Earl of Chester x Maudiae)—Dark red. 5"  
 OC-228—Leyburnense var. Magnificum (Royal George x Sir Redvers Buller)—Pink-red. 5"  
 OC-229—Martha Ramford (Parentage Unknown)—Green and Brown. 5"  
 OC-230—Harrisonianum var. Superbum—Purple red. 5"  
 OC-231—Royal George (Harrisonianum x Mimos)—Dark red. 5"

- OC-232—Noel Hardy (Nirvana x Nitens)—Green and White. 5"

- OC-233—Cyclops A.M.R.H.S. (Actaeus x Fulshawense)—Green and brown, spotted. 5"  
 OC-234—Col. Cary Batten x Golden Wren—Yellow, brown. 5"

- OCC-235—Claire de Lune var. Edgar Van Belle (Emerald x Alma Gavert)—Best of the green and white. 5"  
 OC-236—Blue Order (Hestia x Nancie Gamble)—White and brown, Fine. 5"  
 OC-237—Round Head (Earl of Tankerville x Nitens)—Fine shape, spotted. 5"  
 OC-238—Bonita (Great Mogul x Nancie Gamble)—Spotted, neat flower. 5"  
 OC-239—Semiramis Westonbirt var. (Juliet x Lady Phulmoni)—Large, spotted. 5"  
 OC-240—Tendresse (Mildred Hunter x Wendover)—Mahogany Red. 5"

## WHITE CYPRIPEDIUMS

These are the jewels of this group of orchids. Very free flowering—and most easy to grow—Give yourself a treat and add one of these beauties to your collection.

- OC-241—Phips (Aureum x Boltonii) 4"  
 OC-242—Venus (Insigne x Niveum). 4"  
 OC-243—Rosy Dawn (Gwenn Hannen x Astarte). 5"  
 OC-244—Astarte (Insigne x Niveum). 5"

## CYPRIPEDIUM SPECIES

Culture as for the Hybrids. Most of these we list are relatively rare and make fine additions to the collection. They certainly offer diversity of flower form and pleasure of exhibition.

- OC-245—Purpuratum (China)—White, purple stripes. 4"  
 OC-246—Niveum (Indo-China)—White, Bird's egg spots. 4"  
 OC-247—Curtisii (Sumatra)—Green and purple. 4"  
 OC-248—Tonsum (Sumatra)—Green, white, veined green. 4"  
 OC-249—Glaucophyllum (Java)—One of the finest green and purple. 4", 5"  
 OC-250—Lowii (Borneo)—Yellow, spotted purple and brown, Fine. 5"  
 OC-251—Callosum (Siam)—White, veined purple. 5"



*Cypripedium Blue Order*

## SELENEPEDIMUM

These are the Central and South American counterparts of the Asian Lady Slippers. Tropical in origin, they are ideally suited to warm climates. Culture as for Cypripediums.

- OC-252—Caudatum (Central America)—Green and pink, lovely miniature. 4"  
 OC-253—Grande (Caudatum x Longifolium)—Green, brown, The Fu Manchu Orchid. 6"  
 OC-254—Sedenii (Longifolium x Schlumieri)—Rose pink. 5"

## Group Cypripedium Hybrids





# ONCIDIUM ALLIANCE

This section is probably the one which has expanded more rapidly than any other in our nurseries in the past few years. Purpose of breeding has been to create a range of material that would allow growers that do not have air conditioned houses and those in tropical countries, to grow orchids similar to the cool-growing *Odontoglossum* hybrids.

Many surprises have resulted in this breeding. The *Miltonias* of the warm growing type make excellent cut flowers, whereas the cool types will not stand up when cut. The miniature *Oncidiums* are the finest little pot plants we have ever seen. Intergeneric hybrids produce all sorts of wonderful surprises both as to shape and color. Anyone that can grow *Cattleyas* can grow these plants and while they are basic spray orchids, we are including them in our *Cattleya* catalogue for this reason. We will group them in sections to allow you to better understand their characteristics.

## CULTURE:

These plants are light lovers and will stand considerably more light than most orchids. Grow toward the dry side as to water. Fertilize frequently when in growth. Do not fertilize when dormant.

*Miltonia Regnellii Aurea*

## MILTONIA

All warm growing, these are excellent for cut flowers or display.

- OC-255—*Moreliana* x *Russelliana*—Dark purple, red. 1½", 2"
- OC-256—*Purple Queen* x *Goodale Moir*—Yellow and Purple. 1½"
- OC-257—*Gayity* x *Regnellii*—Cream yellow, spotted purple. 1½", 2"
- OC-258—*Warscewiczii*—A superior hybrid strain, purple and brown. 2", 3", 4"
- OC-259—*Warscewiczii* x *festiva*—Yellow brown. 1½", 2"
- OC-260—*Festiva* x *Russelliana*—Red brown. 1½"
- OC-261—*Festiva* x *Purple Queen*—Dark purple. 3"
- OC-262—*Regnellii aurea* x *Clowesii*—Large, yellow spotted purple. 2", 3"
- OC-263—*Spectabilis* x *Goodale Moir*—White spotted purple. 1½"
- OC-264—*Warscewiczii* x *Regnellii aurea*—Rich bronze yellow. 1½", 2"

## MILTONIDIUM

Crosses between *Miltonia* and *Oncidium*. This group shows tremendous promise. *Miltonia* adds size with the *Oncidium* giving wonderful sprays. Truly a very fine combination.

- OC-265—*M. Warscewiczii* x *O. Sawyeri*—Bronze yellow. 2", 3"
- OC-266—*Pert* (*O. Triquetrum* x *M. Warscewiczii*)—Bronze red, dwarf. 2", 3"
- OC-267—*M. Spectabilis* x *O. Ornithorynchum*—Pink and rose. 2"
- OC-268—*M. Warscewiczii* x *O. Splendidum*—Large flower, bronze. 1½"
- OC-269—*M. Warscewiczii* x *O. Lanceanum*—Rose pink and brown. 1½"
- OC-270—*O. Ornithorynchum* x *M. Warscewiczii*—Pink and brown. 2", 3"
- OC-271—*M. Warscewiczii* x *O. Maculatum*—Yellow and brown. 1½"
- OC-272—*M. Festiva* x *O. Blanchettii*—Yellow. 3"
- OC-273—*M. Warscewiczii* x *O. Varicosum*—Huge flower, yellow bronze. 3"
- OC-274—*M. Stellata* x *O. Leuchochilum*—Straw yellow, brown. 2"
- OC-275—*M. Festiva* x *O. Tigrinum*—Yellow and brown. 3"
- OC-276—*M. Flavescens* x *O. Leuchochilum*—Purple and yellow. 1½"
- OC-277—*M. Festiva* x *O. Altissimum*—Bright yellow. 1½"
- OC-278—*O. Maculatum* x *Miltonidium Lee Hirsch*—Huge bronze yellow. 1½"

## MILPASIA

These are crosses between *Miltonia* x *Aspasia*. Wonderful texture and long lasting flowers.

- OC-279—*Candissa* (*A. Principissa* x *M. Candida*)—Brown white lip. 3"
- OC-280—*Gold Star* (*A. Principissa* x *M. Flavescens*)—Green, yellow. 1½"

## MILTASSIA

A new group combining *Miltonia* and *Brassia*. Wonderful spray orchids.

- OC-281—*B. Braciata* x *M. Bluntii*—Green and brown. 1½", 2"
- OC-282—*B. Braciata* x *M. Moreliana*—Rich purple. 1½"
- OC-283—*M. Warscewiczii* x *B. Braciata*—Bronze and red. 1½"
- OC-284—*M. Festiva* x *B. Verrucosa*—Yellow green. 1½", 2"
- OC-285—*M. Stellata* x *B. Longissima*—Straw yellow. 3"
- OC-286—*B. Maculata* x *M. Wm. Kirch*—Bronze, purple. 1½", 2"
- mvarhvod.Wk xrx
- OC-287—*B. Braciata* x *M. Wm. Kirch*—Bronze and green. 1½", 2"

## BRAPASIA (ASPASIA x BRASSIA)

- OC-288—*Panama* (*A. Principissa* x *B. Longissima*)—Dark, brown yellow. 3"
- OC-289—*A. Principissa* x *B. Gireoudiana*—Green and brown. 1½", 2", 3", 4"





## ONCIDIUM

The dancing Lady Orchids. Our new hybrids make these a must for all. Much more vigorous than the old species with some beautiful color combinations. They are ideal for either cut flowers or pot plants. We have two basic types: (1) The New Miniature forms, (2) Large growing or standard forms.

### MINIATURE ONCIDIUMS

- OC-290—*Triquetrum* x *Varicosum*—Yellow bronze. 1 1/2", 2"  
 OC-291—*Pulchellum* x *Gardneri*—Sunset colors. 1 1/2", 2"  
 OC-292—*Incurvum* x *Pulchellum*—Rich pink. 3"  
 OC-293—*Triquetrum*—Red brown. 3"  
 OC-294—*Pulchellum* x *Micropogon*—Rose pink. 3"  
 OC-295—*Pulchellum* x *Anna Rosa*—Dark pink. 2"  
 OC-296—*Pulchellum*—Various shades of pink. 2"  
 OC-297—*Anna Rosa* (*Pulchellum* x *Sylvester*)—Dark pink. 2"  
 OC-298—*Pulchellum* x *Haitense*—Pinks. 2"  
 OC-299—*Henekenii* x *Varicosum*—Yellow and black. 3"

### MINIATURE ONCIDIUMS MOUNTED ON LOGS

These are planted on pieces of Hawaiian Tree Fern and ideal to grow as such or to naturalize on trees or potted plants in the greenhouse.

- OC-300—*Pulchellum*—shades of pink. logs  
 OC-301—*Waikiki Sunset* x *Intermedium*—Dark yellow, flushed pink. logs  
 OC-302—*Pulchellum* x *Anna Rosa*—Dark pink. logs  
 OC-303—*O. Triquetrum* x *Rodriguezia Secunda*—Dark red. logs  
 OC-304—*Pulchellum* x *Variegatum*—Sunset colors. logs  
 OC-305—*Anna Rosa* (*Sylvester* x *Pulchellum*)—Dark pink. logs  
 OC-306—*Pastel* x *Haitense*—Sunset colors. logs  
 OC-307—*Pulchellum* x *Comparetia falcata*—Light pink. logs

### LARGE GROWING ONCIDIUMS

- OC-308—*Carthaginense* x *Splendidum*—Red bronze. 1 1/2", 2"  
 OC-309—*Brazil* x *Concolor*—Yellow bronze. 1 1/2"  
 OC-310—*Brazil* x *Montanum*—Brown and yellow. 1 1/2"  
 OC-311—*Oblongatum* x *Nona*—Huge sprays, yellow. 2"  
 OC-312—*Divaricatum* x *Lanceanum*—Bronze. 3"  
 OC-313—*Brachyandrum* x *Hyphamaticum*—Yellow and brown. 3"  
 OC-314—*Maureen* x *Bicallosum*—Yellow bronze. 3"  
 OC-315—*Mem. Pepita de Restrepo* (*Luridum* x *Splendidum*)—Yellow green. 3"  
 OC-316—*Kramerianum*—Butterfly like flowers, Orange. 3"  
 OC-317—*Luridum* x *Lanceanum*—Green and pink. 4"  
 OC-318—*Blanchetti* x *Crispum*—Bronze yellow. 4"  
 OC-319—*Guttatum*—Pink and Green. 3", 4"  
 OC-320—*Altissimum*—Yellow and Brown. 5"  
 OC-321—*Kanoa* x *Varicosum*—Bright yellow. 1 1/2"  
 OC-322—*Lenalena* (*Altissimum* x *Sarcodes*)—Yellow and Brown. 2", 3", 4"  
 OC-323—*Sprucei* x *Splendidum*—Large yellow. 1 1/2"  
 OC-324—*Ornithorynchum* x *Leuochilum*—Dark pink. 2", 3"  
 OC-325—*O. Stenotis* x *Powellii*—Dark brown. 3", 4"



*Phaio-Calanthe Stanny*

## BRACIDIUM

Crosses between *Brassia* and *Oncidium*. These are very fine and greatly increase flower size.

- OC-326—*Betty Shiraki* (*O. Sphacelatum* x *B. Braciata*)—Yellow green and brown spots. 6"  
 OC-327—*O. Lanceanum* x *B. Caudata*—Green and pink. 1 1/2", 2", 3"  
 OC-328—*B. Gireoudiana* x *O. Faye*—Dark green, spotted pink. 1 1/2"  
 OC-329—*D. Gireoudiana* x *O. Maculata*—Yellow and brown. 1 1/2", 2"  
 OC-330—*B. Gireoudiana* x *O. Isthmii*—Yellow and brown. 2", 3"  
 OC-331—*O. Blanchettii* x *B. Gireoudiana*—Yellow green. 3"  
 OC-332—*O. Lanceanum* x *B. Longissima*—Bronze. 1 1/2", 2"  
 OC-333—*O. Papilio* x *B. Maculata*—Huge flower, yellow. 3"  
 OC-334—*O. Kramerianum* x *B. Maculata*—Similar to above. 3"  
 OC-335—*B. Allenii* x *O. Lankesteri*—Huge spikes, straw yellow. 3"  
 OC-336—*B. Maculata* x *O. Crispum*—Bronze brown. 3", 4"  
 OC-337—*O. Ansiferum* x *B. Longissima*—Yellow. 1 1/2"  
 OC-338—*O. Wall* x *B. Gireoudiana*—Green yellow. 1 1/2", 2"  
 OC-339—*O. Papilio* x *B. Longissima*—Bronze yellow. 1 1/2", 2"

## ODONTONIA

Quite distinct from the cool growing types you are accustomed to, these warm growing hybrids are most attractive being a distinct improvement over the parental types.

- OC-340—*Debutante* (*M. Warscewiczii* x *O. Cariniferum*)—Pink and Red, truly a fine hybrid, long spikes. 2", 3", 4"  
 OC-341—*M. Warscewiczii* x *O. Esperance*—Red and yellow. 3"  
 OC-342—*O. Blanchetti* x *O. Cordatum*—Yellow, green. 3"

## BRASSIA

Normally one only finds species available in this genus. We have found a few outstanding individuals and are pleased to offer here hybrids from them. They are most attractive pot plants.

- OC-343—*Longissima* x *Gireoudiana*—Green bronze. 2", 3", 4"  
 OC-344—*Longissima* x *Verrucosa*—Green, spotted. 2", 3", 4"  
 OC-345—*Caudata* x *Longissima*—Green. 1 1/2", 2", 3"  
 OC-346—*Gireoudiana* x *Maculata*—Green and Brown. 1 1/2", 2"  
 OC-347—*Allenii* x *Caudata*—Straw yellow. 3", 4"  
 OC-348—*Verrucosa grandiflora* x *Gireoudiana* var. *majus*—Green, the best of the genus. 1 1/2"



## UNUSUAL SPECIES & HYBRIDS

We are listing a few unusual plants that are compatible with a Cattleya house culture. We don't grow the large number of species we used to as the new hybrids are for the most part so vastly superior. However, we still grow the best of them and are pleased to offer these to you.

- OC-362—Phaiacalanthe Stany**—A wonderful hybrid, cream and red—Late Winter. 4", 5"
- OC-363—Phaius Gravesii (Wallichii x Grandifolius)**—Bronze-silver back/purple lip, Spring. 6"
- OC-364—Brassovola Digbyana (Honduras)**—The grandfather of all Brassas, green/hued fringed lip, Spring. logs
- OC-365—Brassovola Glauca**—White-purple eyes in lip, Winter. logs
- OC-366—Coelogyne Massangeana**—Golden chain orchid, various. 6"
- OC-367—Epidendrum Ciliare**—Green/white lip. logs
- OC-368—Grammatophyllum Scriptum var. Tigrinum**—Yellow-spotted black. 6"
- OC-369—Laelia Anceps**—Lavender-long spikes, Winter. logs
- OC-370—Amoena (Anceps x Pumila)**—Dwarf-dark purple, Winter. 4"
- OC-371—Peristeria elata**—Pure white—Dove Orchid. 6"



*Oncidium Lanceanum*

## OTHER INTERGENERIC ONCIDIUM TYPE CROSSES

We do not have enough of any one to group them in sections.

- OC-349—Milt. Festiva x Trichopelia Coccinea**—Red and brown. 1 1/2"
- OC-350—Rodcidium Tahiti (O. Flexuosum x R. Secunda)**—Red, very fine miniature. 1 1/2", 2", 3", 4"
- OC-351—Onc. Pulchellum x Comporetia falcata**—Pale pink, miniature. 2"
- OC-352—O. Altissimum x Comporetia falcata**—Pale yellow-miniature. 1 1/2", 2"
- OC-353—Rod. Secunda x Onc. Gardeneri**—Dark red. 1 1/2"
- OC-354—Brassia Chloroleuca x Trichopellia Suavis**—White, cream large flower. 3"
- OC-355—Pescatoria cerina x Chondoryncha Discolor**—Cream, purple lip. 3"
- OC-356—Milt. Warscewiczii x Barlingtonia Fragrance**—Pale pink and brown. 3"
- OC-357—Milt. Warscewiczii x Trichopellia Suavis**—Very large flowers, pink. 2"
- OC-358—Milt. Spectabilis x Rod. Secunda**—Red, miniature. 1 1/2", 2"
- OC-359—Odont. Cervantesii x Brassia Gireoudiana**—Star shape, green. 1 1/2"

## TWO NEW NOVELTY PHALAENOPSIS CROSSES

We usually list Phalaenopsis in our Fall catalogue. However, through our new embryo cultures we are able to offer two new crosses that we feel sure you would like to get as early as possible. Thus you can work your skill to quickly flower them. OC-360 has a great potential for red and OC-361 for yellow. Be sure to try these.

- OC-360—Renanthera Storiei x Phal. R. H. Montgomery Tetraploid**—Grows like Phalaenopsis—could be the first red Phalaenopsis. 1 1/2"
- OC-361—Vanda Spatulata x Phal. R. H. Montgomery Tetraploid**—Deep yellow—fine shape. 1 1/2"

## HAWAIIAN ANTHURIUM HYBRIDS

Excellent subject to grow along with orchids. In tropical regions they make wonderful garden plants. Flowers last an exceptionally long time as cut flowers. **We cannot ship to California.**

### CULTURE:

They require 50% shade—foliage and flowers burn in strong light. Keep moist at all times and water heavily. Humidity should never be below 70%. Temperature not less than 60 degrees at night. Pot in any good organic compost as you would a soil plant. Fertilize frequently. They are heavy feeders. Spray regularly with DDT to control thrips which cause white streaks in the flowers.

**OC-372—Andeanum, Hybrids**—These are the large flowers you see in the florist's window. They make wonderful cut flowers. All sizes offered are flowering size. Colors: Blood Red, Pink, Orange and Red.

**OC-373—Andeanum, pure white**—Quite rare and much desired. Flower size

**OC-374—Anthurium Scandens (Trailing Anthurium)**—Vine-like, white flowers, pearl-like seeds. 7"

**OC-375—Anthurium Scherzerianum**—Dwarf plants with brilliant flowers. Flowers curiously twisted. Hence the name "Pig Tail Anthurium." Wonderful pot plants as they do not take up much room. 4"

*Brassovola Digbyana*





UNITED STATES Price List for 1960 Catalog Prepaid by Airmail)

Number	Size	Price	Number	Size	Price	Number	Size	Price	Number	Size	Price	Number	Size	Price	Number	Size	Price	Number	Size	Price		
OC-1	4"	\$7.50	OC-30	3"	5.00	OC-57	3"	6.00	OC-89	1½"	2.00	OC-112	1½"	2.00	OC-137	1½"	1.75	OC-162	3"	5.00		
OC-2	4"	8.50		4"	7.50	OC-58	3"	5.00		2"	3.50		2"	3.50		2"	3.00		4"	7.50		
	6"	12.50	OC-31	4"	7.50	OC-59	4"	8.50		3"	5.00	OC-113	2"	3.50	OC-138	1½"	1.75	OC-163	1½"	2.00		
OC-3	4"	7.50	OC-32	3"	5.00	OC-60	4"	10.00	OC-90	1½"	2.25	OC-114	1½"	2.00	OC-139	1½"	1.75		2"	3.00		
OC-4	5"	10.00	OC-33	3"	5.00	OC-61	2"	3.50	OC-91	1½"	2.25	OC-115	1½"	2.25		2"	3.00	OC-164	1½"	2.00		
OC-5	6"	12.50		4"	7.50	OC-62	2"	3.50		2"	4.00	OC-116	1½"	2.00	OC-139	1½"	1.75		2"	3.00		
OC-6	6"	12.50	OC-34	2"	3.50	OC-63	2"	3.50	OC-92	1½"	2.25	OC-117	1½"	2.25		2"	3.00	OC-165	1½"	2.00		
OC-7	3"	5.00		3"	5.00	OC-64	2"	4.00	OC-93	1½"	2.00	OC-118	2"	3.00	OC-141	5"	7.50		2"	3.00		
	4"	7.50	OC-35	1½"	2.00	OC-65	1½"	2.00		2"	3.50		3"	4.00	OC-142	4"	6.50	OC-166	1½"	2.00		
OC-8	4"	7.50		2"	3.50	OC-66	1½"	3.00	OC-94	1½"	2.00	OC-119	1½"	2.25	OC-143	3"	4.00		2"	3.00		
OC-9	4"	7.50	OC-36	2"	4.00	OC-67	4"	8.50		2"	3.50		2"	3.50		4"	6.50	OC-167	3"	5.00		
OC-10	3"	5.00	OC-37	2"	3.50	OC-68	1½"	3.00	OC-95	1½"	2.00	OC-120	1½"	2.00	OC-144	2"	3.00	OC-168	4"	7.50		
OC-11	1½"	2.25		3"	5.00	OC-69	1½"	3.00		3"	5.00		2"	3.50		3"	4.00	OC-169	4"	7.50		
OC-12	3"	5.00	OC-38	1½"	2.75	OC-70	1½"	3.00	OC-96	1½"	2.25	OC-121	1½"	2.00	OC-145	1½"	2.00	OC-170	2"	2.50		
	4"	7.50	OC-39	1½"	2.00	OC-71	1½"	2.75		2"	3.50		2"	3.50		2"	3.50		3"	4.00		
OC-13	4"	8.50		2"	3.50	OC-72	1½"	3.00	OC-97	1½"	2.25	OC-122	1½"	2.00	OC-146	2"	4.00		4"	7.50		
OC-14	2½"	4.00	OC-40	1½"	2.75	OC-73	1½"	2.00		2"	3.50	OC-123	1½"	2.00	OC-147	4"	3.50	OC-171	2"	2.50		
OC-15	2"	3.50		3"	6.00	OC-74	1½"	3.00	OC-98	1½"	2.00		2"	3.50	OC-148	1½"	2.25		3"	4.00		
	3"	5.00	OC-41	1½"	2.25	OC-75	1½"	2.25		2"	3.50	OC-124	1½"	2.00		2"	4.00	OC-172	1½"	1.50		
OC-16	2"	3.50	OC-42	1½"	2.00	OC-76	2"	3.50	OC-99	1½"	2.00		2"	4.00	OC-149	1½"	2.00	OC-173	1½"	1.50		
	3"	5.00		3"	5.00	OC-77	1½"	2.00		2"	3.50		3"	6.00		2"	2.50		2"	2.50		
OC-17	3"	5.00	OC-43	1½"	3.00		2"	3.50	OC-100	1½"	2.00	OC-125	1½"	2.25	OC-150	2"	2.50		3"	4.00		
OC-18	2"	3.50	OC-44	1½"	2.00	OC-78	3"	5.00	OC-101	2"	4.00	OC-126	1½"	2.00		3"	4.00	OC-174	1½"	1.50		
OC-19	1½"	2.00		3"	5.00	OC-79	3"	5.00	OC-102	5"	10.00		2"	3.50	OC-151	4"	4.50		2"	2.50		
	2"	3.50	OC-45	1½"	2.00	OC-80	1½"	2.75	OC-103	1½"	2.25		3"	5.00		2.00	OC-152	4"	4.50	OC-175	2"	2.50
OC-20	1½"	2.00		3"	5.00	OC-81	1½"	2.75		2"	4.00	OC-127	1½"	2.00	OC-153	4"	4.50		3"	4.00		
	2"	3.50	OC-46	1½"	2.00	OC-82	1½"	2.75	OC-104	1½"	2.00	OC-128	1½"	2.00	OC-154	4"	4.50	OC-176	2"	2.50		
OC-21	1½"	2.25		3"	5.00	OC-83	1½"	2.00		2"	3.50	OC-129	1½"	2.00		2.00	OC-155	4"	4.50	OC-177	1½"	1.50
	2"	4.00	OC-47	1½"	2.00		2"	3.50	OC-105	1½"	2.25		2"	2.00		2.00		2"	2.50			
OC-22	2"	3.50	OC-48	1½"	2.00	OC-84	1½"	2.00		2"	4.00	OC-130	1½"	2.00	OC-156	4"	4.50		6"	8.50		
OC-23	1½"	2.00		3"	5.00	OC-85	1½"	2.00	OC-106	1½"	2.00		2"	3.50	OC-157	4"	4.50	OC-178	1½"	1.50		
	2"	3.50	OC-49	1½"	2.00		2"	3.50		2"	3.50		3"	5.00		2.00		2"	2.50			
OC-24	5"	25.00	OC-50	1½"	2.00	OC-86	1½"	2.00	OC-107	1½"	2.00	OC-131	1½"	2.00	OC-158	4"	4.50	OC-180	3"	4.00		
OC-25	5"	17.50		2"	3.50	OC-87	1½"	2.25		2"	3.50	OC-132	1½"	1.75	OC-159	1½"	2.00		3"	4.00		
OC-26	3"	5.00	OC-51	1½"	2.00		2"	3.50	OC-108	1½"	2.00		2"	3.00		2.00	OC-157	plantlet per doz.	1.00	OC-181	2"	2.50
	4"	8.50	OC-52	4"	6.50	OC-88	1½"	2.00		2"	4.00	OC-133	1½"	1.75	OC-158	1½"	2.00		3"	4.00		
OC-27	3"	5.00		5"	8.50		2"	3.50		3"	5.00		2"	3.00	OC-159	1½"	2.00	OC-182	3"	4.00		
	4"	8.50	OC-53	4"	8.50	OC-89	1½"	2.25	OC-109	1½"	2.25	OC-134	1½"	1.75		2.00		4"	7.50			
OC-28	3"	4.00		5"	12.50	OC-90	1½"	2.25		2"	4.00		2"	3.00	OC-135	1½"	1.75	OC-183	3"	4.00		
	4"	7.50	OC-54	1½"	2.75	OC-91	1½"	2.25	OC-110	1½"	2.00	OC-136	1½"	1.75		3.00		4"	7.50			
OC-29	3"	5.00	OC-55	1½"	2.25	OC-92	1½"	2.25	OC-111	1½"	2.00		2"	3.00	OC-160	1½"	2.00	OC-184	3"	4.00		
			OC-56	1½"	2.00	OC-93	1½"	2.00				OC-161	1½"	2.00		3.00	OC-185	1½"	1.75			



**UNITED STATES** Price List for 1960 Catalog Prepaid by Airmail)

Number	Size	Price	Number	Size	Price	Number	Size	Price	Number	Size	Price	Number	Size	Price	Number	Size	Price	Number	Size	Price
OC-186	1½"	1.75	OC-219	5"	15.00	OC-254	5"	15.00	OC-283	1½"	1.75	OC-313	3"	4.50	OC-340	2"	3.50	OC-366	6"	7.50
OC-187	1½"	1.75	OC-220	5"	17.50	OC-255	1½"	1.75	OC-284	1½"	1.75	OC-314	3"	4.50		3"	5.00	OC-367	logs	5.00
OC-188	1½"	2.25	OC-221	5"	17.50		2"	2.75		2"	2.75	OC-315	3"	5.00	OC-341	3"	5.00	OC-368	6"	10.00
OC-189	1½"	2.00	OC-222	4"	3.50	OC-256	1½"	1.75	OC-285	3"	4.50	OC-316	3"	7.50	OC-342	3"	5.00	OC-369	logs	5.00
	2"	3.50	OC-223	5"	5.00	OC-257	1½"	1.75	OC-286	1½"	1.75	OC-317	4"	8.50	OC-343	2"	2.50	OC-370	4"	5.00
OC-190	3"	5.00	OC-224	5"	7.50		2"	2.75		2"	2.75	OC-318	4"	7.50		3"	4.50	OC-371	6"	7.50
OC-191	1½"	2.25	OC-225	5"	17.50	OC-258	2"	2.75	OC-287	1½"	1.75	OC-319	3"	4.00		4"	6.50			
	2"	3.50	OC-226	5"	17.50		3"	4.50		2"	2.75	OC-320	4"	6.50	OC-344	2"	2.50	OC-372	flowering	
	3"	5.00	OC-227	5"	35.00	OC-259	1½"	1.75	OC-288	3"	4.50	OC-321	5"	7.50		3"	4.50	OC-373	size	2.50
OC-192	1½"	2.00	OC-228	5"	12.50		2"	2.75	OC-289	1½"	1.75	OC-322	4"	6.50	OC-345	1½"	1.75			
OC-193	1½"	2.00	OC-229	5"	10.00	OC-260	1½"	1.75		2"	2.75		5"	7.50		2"	2.75	OC-374	7"	5.00
	2"	3.50	OC-230	5"	15.00	OC-261	3"	4.50		3"	4.50	OC-323	6"	10.00		3"	4.50	OC-375	4"	2.50
OC-194	1½"	2.00	OC-231	5"	15.00	OC-262	2"	2.75	OC-290	1½"	1.75		4"	7.50	OC-346	1½"	1.75			
OC-195	1½"	2.00	OC-232	5"	15.00		3"	4.50		2"	2.75	OC-324	1½"	1.75		2"	2.75			
	2"	3.50	OC-233	5"	15.00	OC-263	1½"	1.75	OC-291	1½"	1.75		2"	2.75		3"	4.50			
OC-196	1½"	2.00	OC-234	5"	17.50	OC-264	1½"	1.75	OC-292	3"	4.50	OC-325	3"	4.50	OC-347	3"	3.50			
	2"	3.50	OC-235	5"	35.00		2"	2.75	OC-293	3"	4.50		4"	7.50		4"	6.50			
OC-197	4"	7.50	OC-236	5"	17.50	OC-265	2"	2.75	OC-294	3"	4.50	OC-326	3"	4.50	OC-348	1½"	2.00			
OC-198	1½"	2.00	OC-237	5"	15.00		3"	4.50	OC-295	2"	2.75	OC-327	4"	7.50	OC-349	1½"	2.25			
OC-199	logs	7.50	OC-238	5"	17.50	OC-266	2"	2.75	OC-296	2"	2.75	OC-328	6"	10.00	OC-350	1½"	1.75			
OC-200	logs	5.00	OC-239	5"	20.00		3"	4.50	OC-297	2"	2.75	OC-329	1½"	2.00		2"	2.75			
OC-201	logs	5.00	OC-240	5"	17.50	OC-267	2"	2.75	OC-298	2"	2.75		2"	3.50	OC-351	2"	3.50			
OC-202	logs	5.00	OC-241	4"	17.50	OC-268	1½"	1.75	OC-299	3"	4.50	OC-330	1½"	2.00	OC-352	1½"	1.75			
OC-203	4"	5.00	OC-242	4"	17.50	OC-269	1½"	1.75	OC-300	logs	3.50	OC-331	1½"	2.00		2"	2.75			
OC-204	5"	17.50	OC-243	4"	17.50	OC-270	2"	2.75	OC-301	logs	3.50	OC-332	2"	3.50	OC-353	1½"	1.75			
OC-205	5"	17.50	OC-244	4"	17.50		3"	4.50	OC-302	logs	3.50	OC-333	2"	3.00	OC-354	2"	3.50			
OC-206	5"	15.00	OC-245	4"	17.50	OC-271	1½"	1.75	OC-303	logs	3.50		3"	4.50	OC-355	3"	5.00			
OC-207	5"	15.00	OC-246	4"	22.50	OC-272	1½"	1.75	OC-304	logs	3.50	OC-334	3"	4.50	OC-356	3"	5.00			
OC-208	4"	15.00	OC-247	4"	27.50		3"	4.50	OC-305	logs	3.50	OC-335	1½"	2.00	OC-357	3"	4.50			
OC-209	5"	17.50	OC-248	4"	7.50	OC-273	1½"	1.75	OC-306	logs	3.50		2"	3.50	OC-358	2"	4.00			
OC-210	5"	17.50	OC-249	4"	7.50	OC-274	2"	2.75	OC-307	logs	3.50	OC-336	3"	5.00	OC-359	1½"	2.00			
OC-211	5"	17.50	OC-250	4"	25.00	OC-275	3"	4.50	OC-308	logs	3.50		3"	5.00	OC-360	1½"	2.00			
OC-212	5"	17.50	OC-251	4"	7.50	OC-276	1½"	1.75	OC-309	logs	3.50	OC-337	4"	7.50	OC-361	1½"	2.00			
OC-213	5"	15.00	OC-252	4"	10.00	OC-277	1½"	1.75	OC-310	logs	3.50		1½"	1.75	OC-362	2"	3.50			
OC-214	4"	6.50	OC-253	5"	12.50	OC-278	1½"	1.75		2"	2.75	OC-338	3"	4.50		3"	5.00			
OC-215	5"	15.00		5"	17.50	OC-279	3"	5.00	OC-311	3"	3.50		4"	7.50	OC-363	4"	7.50			
OC-216	5"	15.00	OC-250	5"	17.50	OC-280	1½"	2.00	OC-312	3"	4.50	OC-339	5"	10.00	OC-364	5"	10.00			
OC-217	5"	15.00	OC-251	5"	7.50	OC-281	1½"	1.75				OC-340	1½"	1.75	OC-365	1½"	1.75			
OC-218	5"	17.50	OC-252	4"	5.00		2"	2.75					2"	2.00		2"	2.00			
			OC-253	6"	17.50	OC-282	1½"	1.75					3"	3.50		logs	7.50			
													2"	2.25	OC-365	logs	5.00			
													4"	4.00						



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